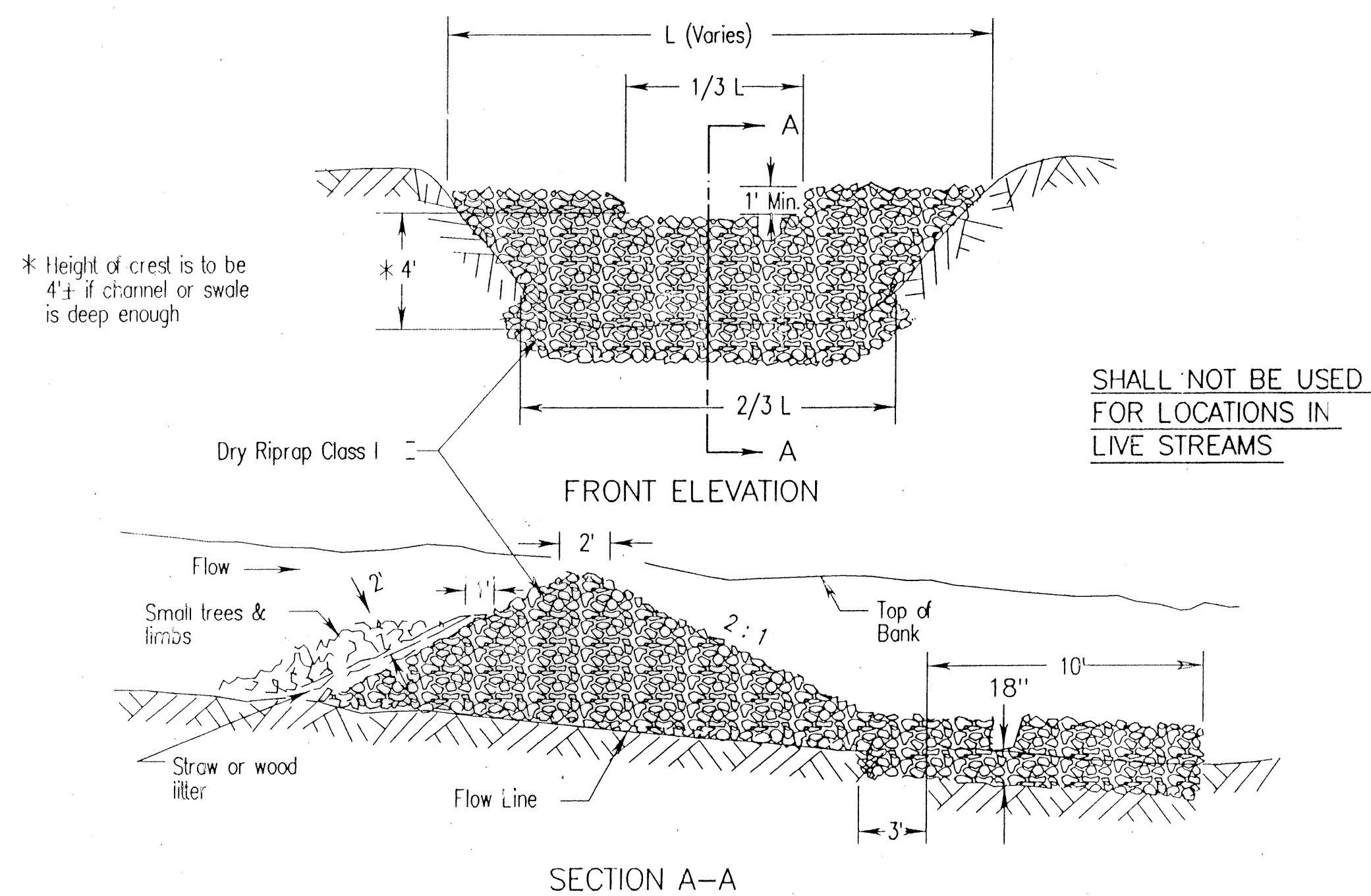
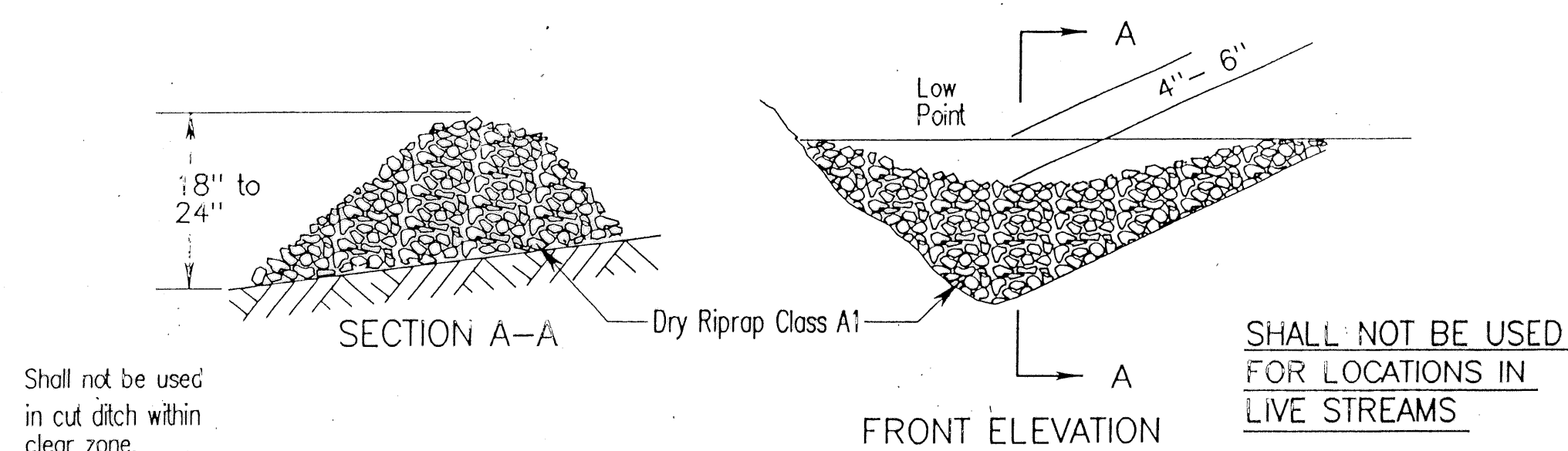


12

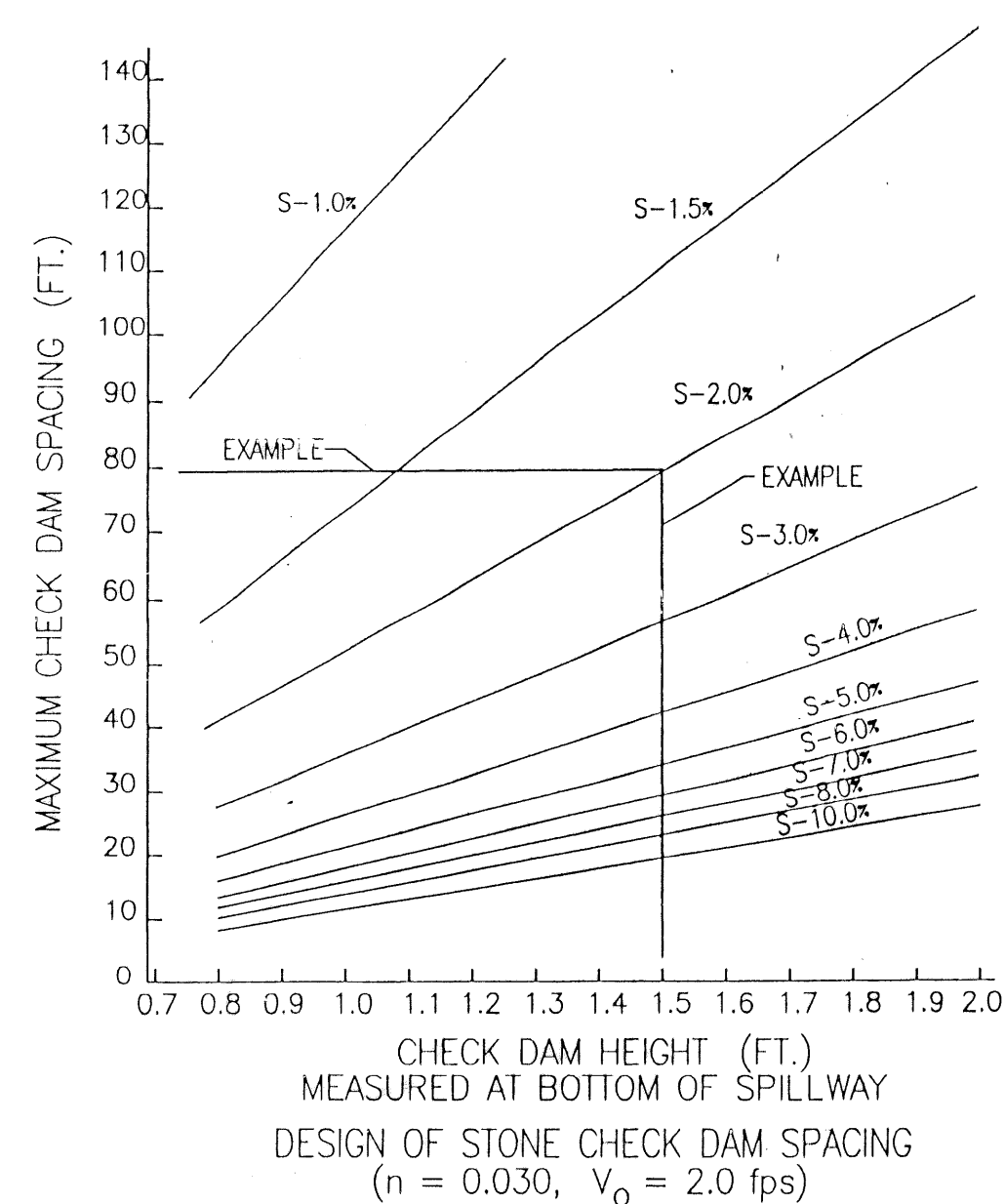
# CHECK DAMS TYPICAL DETAIL FOR ROCK CHECK DAM TYPE I



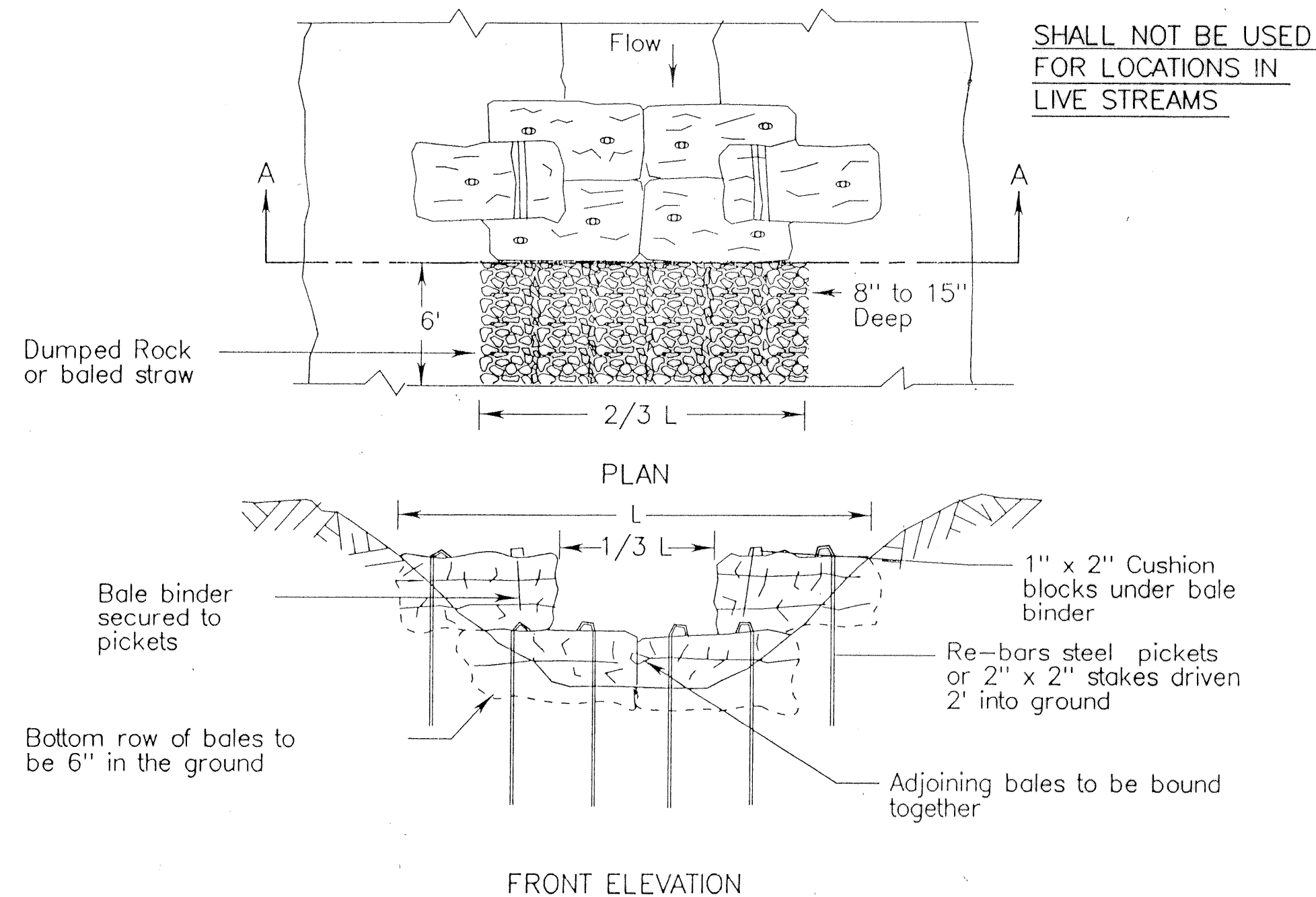
## TYPICAL DETAIL FOR ROCK CHECK DAM TYPE II



## ROCK CHECK DAM SPACING



# BALED STRAW CHECK DAM TYPICAL DETAIL FOR BALED STRAW CHECK DAM

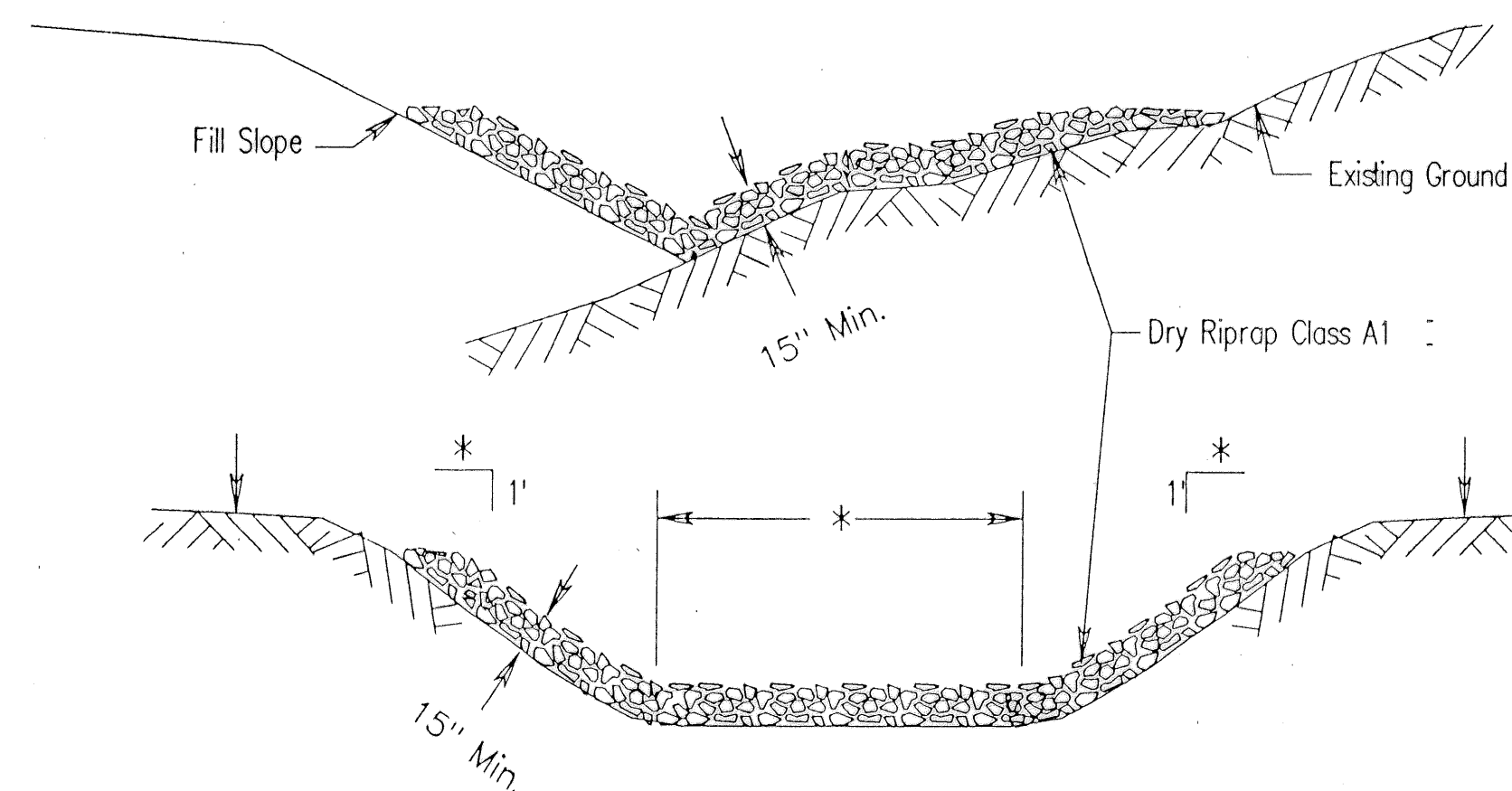


### NOTES:

Baled Straw Check Dams are to be used with open channels and contributing drainage areas of less than 10 acres.

The number of bales required will vary according to actual ground conditions. Dams are to be two bales high where possible.

## SUGGESTED METHOD OF PLACING RIPRAP FOR EROSION CONTROL IN CHANNELS, DITCHES, & AT TOE OF FILL SLOPES



### NOTES:

The depth of protection will depend on whatever depth is attainable, with the riprap being evenly spread with the quantity shown on these plans. Riprap may be added or deleted as found necessary by the Engineer.

\* Side slopes and bottom width (if trapezoidal) shown in typical section of proposed ditch or channel.

DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT

REVISED	FHWA REGION	STATE	FEDERAL AID PROJECT	ROUTE	STATE PROJECT	SHEET NO.
1-27-94	3	VA.		11	0011-080-F05, C-502 0011-080-105, RW-202	2B

### GENERAL NOTES

THE BINDING OF BALED STRAW SHALL BE ADEQUATE TO MAINTAIN THE INTEGRITY OF THE BALES FOR THEIR INTENDED USEFUL LIFE. IN THE EVENT THE BINDING FAILS, THE CONTRACTOR SHALL REBIND OR OTHERWISE REPLACE THE BALES AT NO ADDITIONAL COST TO THE DEPARTMENT. ADJOINING BALES IN BALED STRAW SILT BARRIER SHALL BE ENTRENCHED, TIED TOGETHER AND STAKED TO PREVENT MOVEMENT. IF SILT REMOVAL IS IMPRACTICAL, ADDITIONAL COURSES SHALL BE PLACED AS DIRECTED BY THE ENGINEER AND WILL BE PAID FOR AT THE PRICE BID PER LINEAR FOOT OF TEMPORARY FILTER BARRIER.

ALL CHANNEL CHANGES ARE TO BE CONSTRUCTED DURING THE EARLIEST STAGE OF CONSTRUCTION AND ARE TO BE CONSTRUCTED "IN THE DRY" WHEREVER POSSIBLE. STABILIZATION OR VEGETATION IS TO BE ESTABLISHED BEFORE FLOW IS REDIRECTED THROUGH THE CONSTRUCTED AREA AS DIRECTED BY THE ENGINEER.

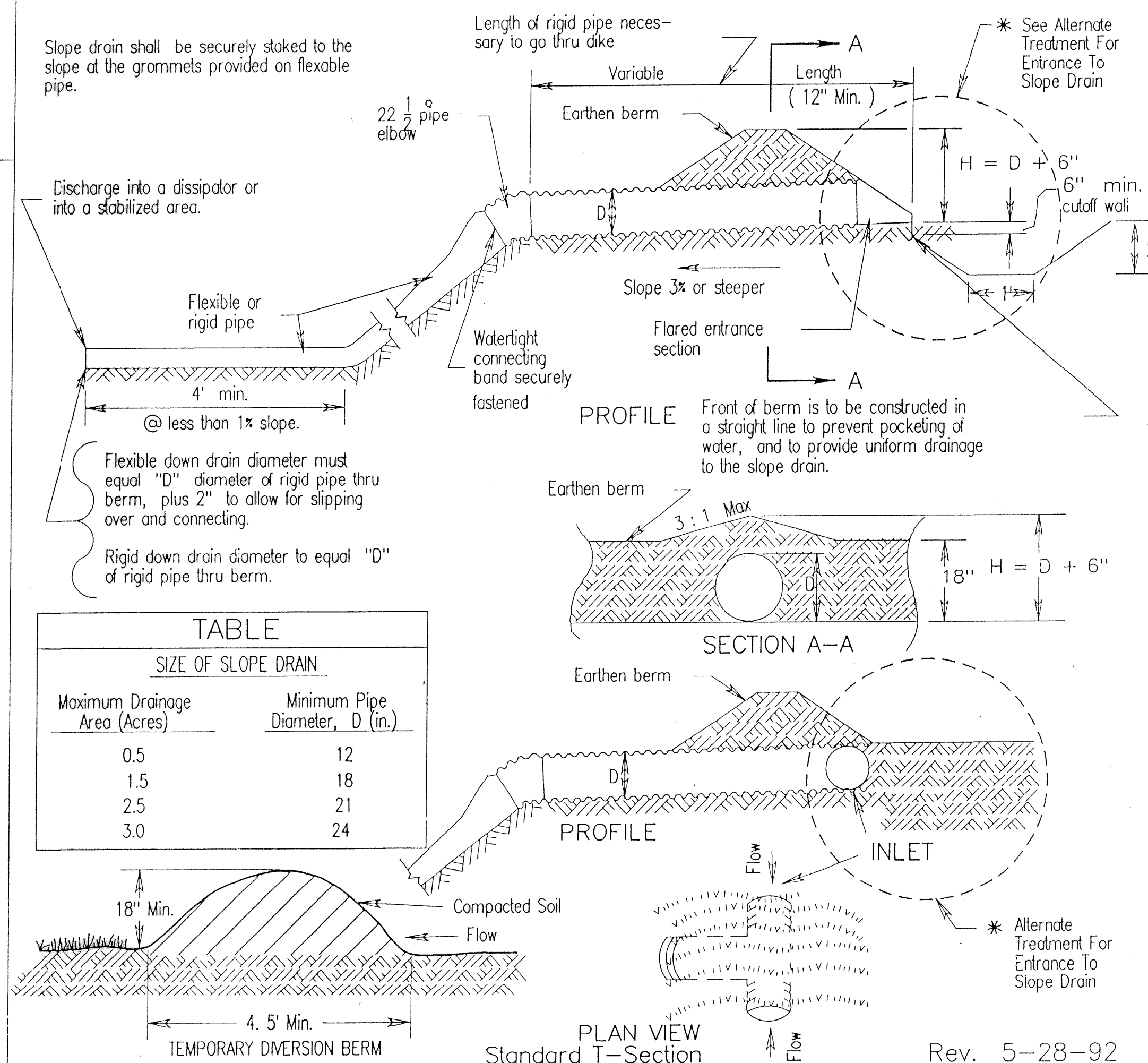
IF REMOVAL OF BRUSH SILT BARRIER IS REQUIRED BY THE ENGINEER, THE COST OF REMOVAL AND DISPOSAL OF BRUSH SHALL BE IN ACCORDANCE WITH SECTION 109.05 OF THE SPECIFICATIONS.

THE LOCATIONS OF THE CHECK DAMS AS SHOWN ON THESE PLANS ARE APPROX. ONLY. SUCH LOCATIONS MAY BE CHANGED OR DAMS MAY BE ADDED OR DELETED AS DIRECTED BY THE ENGINEER.

ROCK FOR CHECK DAMS, EROSION CONTROL & RIPRAP IN CHANNELS TO BE IN ACCORDANCE WITH SECTION 414 OF THE ROAD & BRIDGE SPECIFICATIONS.

SILT REMOVAL AND SEDIMENT CLEANOUT FROM EROSION AND SEDIMENT CONTROL ITEMS WILL BE PERFORMED WHEN THE ITEM REACHES 1/2 OF ITS CAPACITY, HEIGHT OR DEPTH. PAYMENT WILL BE IN C.Y. OF SILTATION CONTROL EXCAVATION.

## TEMPORARY BERM & SLOPE DRAIN



### TABLE

#### SIZE OF SLOPE DRAIN

Maximum Drainage Area (Acres)	Minimum Pipe Diameter, D (in.)
0.5	12
1.5	18
2.5	21
3.0	24

# TEMPORARY EROSION & SILTATION CONTROL

SPECIAL DESIGN SECTION

DRAWING NO. 414